	Application No.	Applicant(s)
Notice of Allowability		
	10/665,204 Examiner	WANG ET AL. Art Unit
	A. Sefer	2826
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. X This communication is responsive to the amendment filed 9/27/07.		
2. The allowed claim(s) is/are <u>17-21 and 23-25</u> .		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of Informat Dr	-tt Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5. ☐ Notice of Informal Pa6. ☐ Interview Summary (, ,
	Paper No./Mail Date	e
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. Examiner's Amendm	ient/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Statement	nt of Reasons for Allowance
	9.	

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DETAILED ACTION

Response to Amendment

1. The amendment filed September 27, 2007 has been entered; no new claims have been entered.

Allowable Subject Matter

- 2. Claims 17-21 and 23-25 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: A closely related art, Watanabe USPN 5,654,578, discloses a semiconductor light-receiving device comprising: a semiconductor substrate of a first conduction type; a buffer layer of the first conduction type that is formed on the semiconductor substrate and having a lower impurity concentration than the semiconductor substrate; a light absorption layer that is formed on the buffer layer; and a high-concentration semiconductor intermediate layer of the first conduction type that is interposed between the buffer layer and the light absorption layer having a higher impurity concentration than the buffer layer. However, independent claims 17 and 23 require the light absorption layer directly contacts the high concentration semiconductor intermediate layer. The above limitation in combination with other claim limitations are not taught or fairly suggested by the prior art nor would it be obvious to modify the references of record so as to yield the device of the instant application.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to A. Sefer whose telephone number is (571) 272-1921.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sue Purvis can be reached on (571) 272-1236.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANS

December 3, 2007

Primary Examiner

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